

CLAIMS

1. A method of optimizing resource allocation comprising the steps of:
identifying sets of information wherein each set of information includes a
5 UOA-ID, a CCT, a CATVAR and a VAR Value;
grouping each UOA-ID into an appropriate Type;
identifying a Start Time;
forming at least one Cohort time segment based on the Start Time;
placing the UOA-ID into the appropriate time segment;
10 calculating an eligibility score for each UOA-ID for each time segment;
calculating an Eligible Adjusted Variable Value; and
generating an Output Expressions subdivided by each CATVAR.
2. The method of Claim 1 further comprising the step of transforming the Output
15 Expressions from expressed in Cohort time segments to being expressed in
CCT segments that are subdivided by each CATVAR.
3. The method of Claim 1 wherein said method is performed using a system
comprising a central processing unit for implementing system software
20 effective for performing the method.
4. The method of Claim 1 that is used for health care applications.

5. The method of Claim 1 wherein said method is used for applications selected from the group consisting of warranty applications, actuarial applications, insurance applications, marketing and advertising applications, frequent use program applications, shopping card applications, trademark/trade dress/product design evaluation applications, web page applications, infringement applications, and health care applications.

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6. The method of Claim 1 wherein an Output Expressions are generated by the method comprising the step of calculating an EAV based on a summary metric for each UOA-ID per Type subdivided by each CATVAR.

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7. The method of Claim 1 wherein an Output Expressions are generated by the method comprising the steps of:

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 - determining a DV per Type per time segment;
 - calculating an EAV summary metric for all UOA-IDs per Type per time segment; and
 - calculating an EAV Net Value per Type per time segment subdivided by each CATVAR.

8. The method of Claim 1 wherein an Output Expressions are generated by the method comprising the steps of:

determining a RORA;

determining an Outcome;

5 calculating a NNT

calculating an EAV Net Value per Type per time segment; and

calculating the maximum available RA per UOA-ID per time segment subdivided by each CATVAR.

- 10 9. The method of Claim 1 wherein an Output Expressions are generated by the method comprising the steps of:

determining a RA;

determining an Outcome;

calculating a NNT

15 calculating an EAV Net Value per Type per time segment; and

calculating the RORA per UOA-ID per time segment subdivided by each CATVAR.

- 10.** The method of Claim 1 wherein an Output Expressions are generated by the method comprising the steps of:

determining a RORA;

5 determining a RA;

calculating a NNT

calculating an EAV Net Value per Type per time segment; and

calculating an O per UOA-ID per time segment subdivided by each CATVAR.

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- 11.** A method for optimizing resource allocation using a plurality of sets of information, the method comprising the steps of:

for each set of information, identifying an UOA-ID, a Type, a CCT and a VAR Value;

15 grouping each UOA-ID into an appropriate Grouper;

identifying a Start Time;

identifying a time segment duration;

forming time segments based on the Start Time;

adjusting and standardizing each VAR Value to create AdjVAR

20 Values;

placing each AdjVAR Value into the appropriate time segment;

calculating an eligibility score for each UOA-ID; and

generating Output Expressions per CATVAR values which are compared to each other.

- 5 **12.** The method of Claim 11 further comprising the step of transforming the Output Expressions from expressed in Cohort time segments to being expressed in CCT segments and Output Expressions per CATVAR values which are compared to each other.
- 10 **13.** The method of Claim 11 wherein said method is performed using a system comprising a central processing unit for implementing system software effective for performing the method.
- 14.** The method of Claim 11 that is used for health care applications.
- 15 **15.** The method of Claim 11 wherein said method is used for applications selected from the group consisting of warranty applications, actuarial applications, insurance applications, marketing and advertising applications, frequent use program applications, shopping card applications, Internet applications, trademark/trade dress/product design evaluation applications, infringement
- 20 applications, and health care applications.

16. The method of Claim 11 wherein an Output Expressions are generated by the method comprising the step of calculating an EAV based on a summary metric for each UOA-ID per Type and Output Expressions per CATVAR values which are compared to each other.

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17. The method of Claim 11 wherein an Output Expressions are generated by the method comprising the steps of:

determining a DV per Type per time segment;

calculating an EAV summary metric for all UOA-IDs per Type per time segment; and

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calculating an EAV Net Value per Type per time segment and Output Expressions per CATVAR values which are compared to each other.

18. The method of Claim 11 wherein an Output Expressions are generated by the method comprising the steps of:

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determining a RORA;

determining an Outcome;

calculating a NNT

calculating an EAV Net Value per Type per time segment; and

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calculating the maximum available RA per UOA-ID per time segment and Output Expressions per CATVAR values which are compared to each other.

19. The method of Claim 11 wherein an Output Expression is generated by the method comprising the steps of:

determining a RA;

determining an Outcome;

5 calculating a NNT

calculating an EAV Net Value per Type per time segment; and

calculating the RORA per UOA-ID per time segment

and Output Expressions per CATVAR values which are compared to each other.

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20. The method of Claim 11 wherein an Output Expressions are generated by the method comprising the steps of:

determining a RORA;

determining a RA;

15 calculating a NNT

calculating an EAV Net Value per Type per time segment; and

calculating an O per UOA-ID per time segment and Output Expressions per CATVAR values which are compared to each other.

21. A system for use by a user in optimizing resource allocation comprising:
a central processing unit for operating software effective for performing the
method of:

5 identifying sets of information wherein each set of information
includes an UOA-ID, a CCT, and a VAR Value;
grouping each UOA-ID into an appropriate Type;
identifying a Start Time;
forming at least one Cohort Time segment based on the Start Time;
10 placing the VAR Value into the appropriate time segment;
calculating an eligibility score for each UOA-ID for each time segment;
calculating an Eligible Adjusted Variable Value; and
generating Output Expressions per CATVAR values which are
compared to each other.

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22. The system of Claim 21 wherein said method is used for applications selected
from the group consisting of warranty applications, actuarial applications,
insurance applications, marketing and advertising applications, frequent use
program applications, shopping card applications, Internet applications,
20 trademark/trade dress/product design evaluation applications, infringement
applications, and health care applications.

23. A system for optimizing resource allocation whereby Output Expressions are produced comprising a representation, said representation is selected from the group consisting of a showing EAV trends of a particular Population, said trends are expressed in Cohort time segments; a showing NNT trends of a particular Population, said trends are expressed in Cohort time segments per CATVAR values which are compared to each other.
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